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(71)Applicant : NIPPON BED SEIZO KK

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(72)Inventor : USAMI NOBUO

(54) MATTRESS

(57)Abstract:

PROBLEM TO BE SOLVED: To embody a laminate fixing structure which facilitates the work for fixing laminates to spring structural bodies, eliminates the need for preparing a urethane stock soln. and is strong by bonding the wires and laminates of a mattress by an adhesive consisting of hot-melt resin.

SOLUTION: The adhesive 7 consisting of the hot-melt resin is adhered as lumps of a prescribed amt. to the surface on the wire 4 side of the laminates 6 and before the adhesive 7 melts at a high temp. and solidifies, the wires 4 are partly pushed by as much as the component for several pitches of coils, for example, 2 to 3 pitches, into the adhesive 7 and the adhesive 7 is allowed to solidify in this state. The lumps of the adhesive 7 exhibit a disk shape of about 20 to 30mm diameter and about 2 to 10mm in height in the solidified state and are made to exist here and there in the required amt. at, for example, about 15 to 20 points within the flat surface of the mattress. Then, if the adhesive work ends by solidification of the adhesive 7, the laminates 6 are eventually securely laminated and fixed to the spring structural bodies 1.

